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On the mechanism of transport of Inner Nuclear Membrane Proteins

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Stellingen

Behorende bij het proefschrift

On the mechanism of transport of inner nuclear membrane proteins

Justyna Laba, 22 January 2016

1. Heh2-based reporters with a single transmembrane segment are inserted into the membrane environment prior nuclear import (chapter 4).
2. Microscopy techniques are more challenging when applied to yeast than to other eukaryotic cells (chapter 3).
3. Multiple mechanisms converge in the nuclear import process of membrane proteins (chapter 6).
4. Active import of inner nuclear membrane (INM) proteins might be more relevant for post mitotic metazoan cells and baker's yeast, in which enrichment of molecules at the reforming INM during nuclear envelope reassembly is not possible (chapter 6).
5. Models in science, although crucial for testing hypotheses, are just approximations of reality.
6. As long as toy stores have separate sections for boys and girls, we will still need quota for women in science, government and top management.
7. Systems based on constant growth are not sustainable.
8. There's a farmer in the heart of each Dutch person.
9. Modern societies need better measures of success than money and power.
10. Inspiration and creativity are not born from long hours in the lab or office.